

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/053042

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B10/17

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 421 168 B1 (DUERKSEN GARY ET AL) 16 July 2002 (2002-07-16) column 4, line 48 – column 9, line 56; figures 1,2,6,7	1-9
Y	HARUO OKAMURA: "AUTOMATIC OPTICAL LOSS COMPENSATION WITH ERBIUM-DOPED FIBER AMPLIFIER" JOURNAL OF LIGHTWAVE TECHNOLOGY, IEEE. NEW YORK, US, vol. 10, no. 8, 1 August 1992 (1992-08-01), pages 1110-1116, XP000288348 ISSN: 0733-8724 page 1112, right-hand column – page 1113, left-hand column; figures 4,8	1-9

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

18 March 2005

Date of mailing of the international search report

31/03/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 175 436 B1 (JACKEL JANET L) 16 January 2001 (2001-01-16) abstract; figures 3,4 -----	1-9

INTERNATIONAL SEARCH REPORT**Information on patent family members**

International Application No

PCT/EP2004/053042

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 6421168	B1 16-07-2002	US	6388802 B1	14-05-2002
US 6175436	B1 16-01-2001	AU CA EP JP WO	5424098 A 2261873 A1 1008238 A2 2000515688 T 9806191 A2	25-02-1998 12-02-1998 14-06-2000 21-11-2000 12-02-1998